

Declaration and Power of Attorney For Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled PIPE NETWORK OPTIMISATION (Attorney Docket No. 063511-9052-00), March 22, 2002, as Application Serial No. 10/088,831 (which is the national phase of PCT/GB01/03349, filed July 25, 2001).

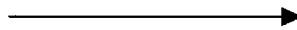
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Customer Number

23409



DIRECT ALL COMMUNICATIONS IN OR PERTAINING TO THIS APPLICATION TO:

David B. Smith
Michael Best & Friedrich LLP
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I hereby claim foreign priority benefits under Title 35, United States Code, §119 of the foreign application for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

0018158.6
(Number)

Prior Foreign Application
United Kingdom
(Country)

25 July 2000
(Day/Month/Year Filed)

The undersigned to this Declaration and Power of Attorney hereby authorize the U.S. attorneys named herein to accept and follow instructions from Matthew Holmes, Marks &

Clerk, Sussex House, 83-85 Mosley Street, Manchester M2 3LG, UNITED KINGDOM as to any actions to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the undersigned will so notify the U.S. attorneys.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Paul Sage
Inventor's signature Paul Sage
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